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EDUCATION

- 1990, 1986 **University of California, Berkeley.** PhD and M.S., Energy and Resources Group. Coursework in energy engineering, physics, economics, energy policy, and environmental science.
- 1984 **Harvard University**, Cambridge, MA. B.A., Cum Laude, History of Science. Dean's List 1980-84. Harvard College Scholarship for academic excellence 1981-84. Sperry & Hutchinson Scholarship 1980-84. Coursework in physics, engineering, computer science, economics, philosophy, history, and history of science.

AWARDS

- 1998 LBNL outstanding performance award for work on the Interlaboratory study on scenarios of U.S. carbon reductions.
- 1994 National Research Council award for excellence in transportation research.

WORK EXPERIENCE

- Spring 2000 **Senior Lecturer** at the Energy and Resources Group, at the University of California, Berkeley. Class: *Tricks of the Trade*.
- 1984- Present **Staff Scientist (since 1991)/Post Doc (1990-91)/Research Assistant (1984-90)** at the Lawrence Berkeley National Laboratory's Energy Analysis Department in Berkeley, CA. Important achievements:
- starting and leading the End-Use Forecasting group (<http://enduse.lbl.gov>), which provides technical support for the U.S. Environmental Protection Agency and Department of Energy. Responsible for direct supervision of more than a dozen research associates and other staff, with a budget of \$1.5-\$2M/year.
 - conducting technical and market analysis for the U.S. Environmental Protection Agency's Atmospheric Pollution prevention division, which is responsible for the EPA's ENERGY STAR programs.
 - leading the team to analyze the Clinton Administration's proposed tax incentives for efficient equipment in the building sector, as part of the President's Climate Change Technology Initiative announced in the State of the Union Address in January 1998.
 - participating as a primary author of an interlaboratory analysis of the cost of reducing carbon emissions in the U.S. in 1997, and in the follow-on

work in 1998 and 1999. Principle author of the analysis on efficiency in buildings, and responsible for integrating cost analysis for the entire study.

- producing (as author or coauthor) six books and more than one hundred articles and reports on energy conservation technology, energy economics, energy policy, environmental externalities, global climate change, and cost-benefit comparisons between competing demand- and supply-side resources.
- estimating electric utility impacts for the U.S. Department of Energy's Appliance Efficiency Standards Analysis from 1986 through 1991.
- contributing in 1990 (under Art Rosenfeld's direction) to the report by the National Academy of Sciences Panel on Policy Implications of Greenhouse Warming (Mitigation Subpanel).
- presenting invited testimony before energy regulatory bodies in Wisconsin (1988) and California (1990).

1993- Present	Member, editorial board of the journal <i>Contemporary Economic Policy</i> .
1996	Consultant for the International Energy Agency (Paris), assessing energy use and potential savings in commercial sector office equipment.
1993, 1996	Reviewer in Summer 1993 for the Minneapolis-St. Paul Urban CO ₂ project plan. In 1996 was a coauthor of a report listing recommendations for the City of Berkeley's CO ₂ reduction plan.
1990- 1992	Consultant for the Center for Clean Air Policy (CCAP) in Washington, DC.: Assisted CCAP in assessing the adequacy of the American Electric Power Company's (AEP's) integrated resource plan. August-September 1990: Reviewed estimates of energy conservation potential for the residential and commercial sectors of AEP.
1989 +	Coauthor , with Florentin Krause and Wilfred Bach, of <i>Energy Policy in the Greenhouse: Volume 1--From Warming Fate to Warming Limit: Benchmarks for a Global Climate Convention</i> . Published by the International Project for Sustainable Energy Paths, El Cerrito, CA. September 1989 (also by John Wiley and Sons, 1992). Also coauthor of five other books in this series.
1986- 1990	Commissioner , City of Berkeley Energy Commission.
1984- 1988	Contributing Editor for <i>Home Energy Magazine</i> in Berkeley, CA (formerly <i>Energy Auditor and Retrofitter</i>).

COMPUTERS

Expert on Macintosh, conversant and comfortable on Windows and UNIX.

OTHER INTERESTS

Aikido, classical contrabass, astronomy, hiking, eating.